

## WHAT IS CLAIMED IS

1. A power adapter comprising:
  - a power input connector connected an DC power to transmit an input DC;
  - a voltage transfer which includes a voltage conversion circuit, a multi-transfer switch and a selective resistance network, the voltage conversion circuit including an input interface, a reference interface and an output interface, the input interface conducting the power input connector; the multi-transfer switch including a common interface and a plurality of transfer interface, the common interface conducting selectively the transfer interfaces by means of a transfer manipulation of the multi-transfer switch and also conducting the reference interface of the voltage conversion circuit; the selective resistance network including a plurality of resistance interface, the different resistance interface representing different resistance values and conducting the corresponding transfer interface of the multi-transfer interface respectively; and
  - a power output connector conducting the output interface and engaging with the voltage transfer.
2. The power adapter as claimed in Claim 1, further comprising an output adapter, which one end engages with the power output connector and the other end engages with an exterior electronic apparatus.
3. The power adapter as claimed in Claim 1, wherein the voltage transfer further comprises an automatic disconnection device and a start button, once the multi-transfer switch is moved by an accidental touch or a wrong operation, the voltage transfer will start the automatic disconnection device, and the power supply will be cut off until the start button is pressed.